

**Fig. 1**

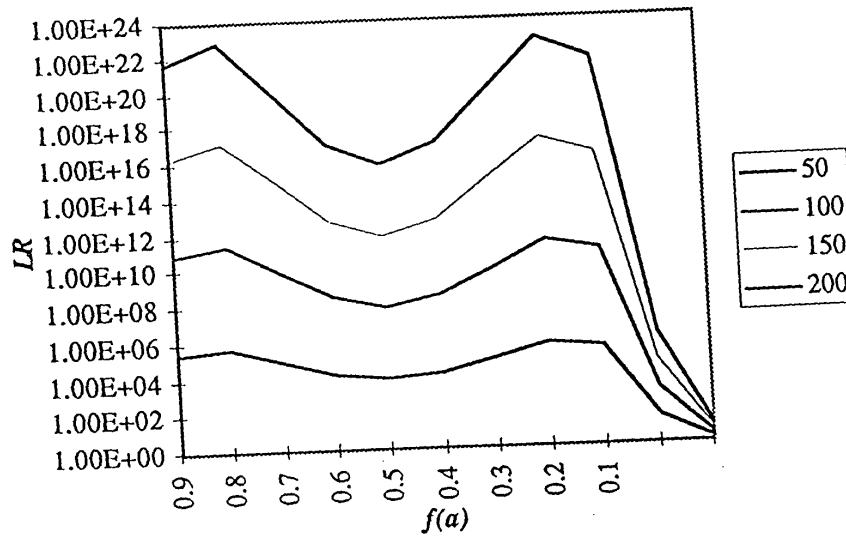
Mixture type (U,S)	AA,AA	AA,AB	AB,AA
Frequency of observations (fm)	$fa^4$	$2fa^3fb$	$2fa^3fb$
LR (numerator)	1	$(fa+fb)^2$	$fb^2+2fafb$
LR (denominator)	$fa^2$	$6fa^2fb^2+4fa^3fb+4fafb^3$	$6fa^2fb^2+4fa^3fb+4fafb^3$

Mixture type (U,S)	AA,BB	BB,AA	AB,AB
Frequency of observations (fm)	$fa^2fb^2$	$fa^2fb^2$	$4fa^2fb^2$
LR (numerator)	$fa^2+2fafb$	$fb^2+2fafb$	$(fa+fb)^3$
LR (denominator)	$6fa^2fb^2+4fa^3fb+4fafb^3$	$6fa^2fb^2+4fa^3fb+4fafb^3$	$6fa^2fb^2+4fa^3fb+4fafb^3$

Mixture type (U,S)	AB,BB	BB,AB	BB,BB
Frequency of observations (fm)	$2fafb^3$	$2fafb^3$	$fb^4$
LR (numerator)	$fa^2+2fafb$	$(fa+fb)^2$	1
LR (denominator)	$6fa^2fb^2+4fa^3fb+4fafb^3$	$6fa^2fb^2+4fa^3fb+4fafb^3$	$fb^2$

09745687-040901

**Fig. 2**



09/745687-040901

**Fig. 3**

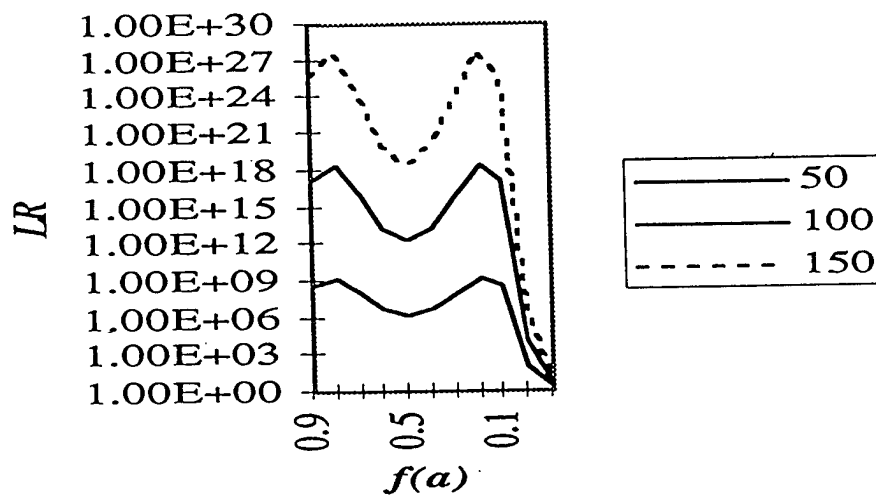
Mixture type (V,S)	AA,AA	AA,AB	AB,AA
Frequency (fm)	$fa^4$	$f2a^3b$	$2a^3b$
LR (denominator)	$fa^2$	$2ab+b^2$	$(a+b)^2$

Mixture type (V,S)	AA,BB	BB,AA	AB,AB
Frequency (fm)	$fa^2 b^2$	$fa^2 fb^2$	$4fa^2b^2$
LR (denominator)	$fb^2+2fafb$	$fa^2+2fafb$	$(fa+fb)^2$

Mixture type (V,S)	AB,BB	BB,AB	BB,BB
Frequency (fm)	$2fafb^3$	$2fafb^3$	$fb^4$
LR (denominator)	$(fa+fb)^2$	$fa^2+2fafb$	$fb^2$

09745687-040901

**Fig. 4**



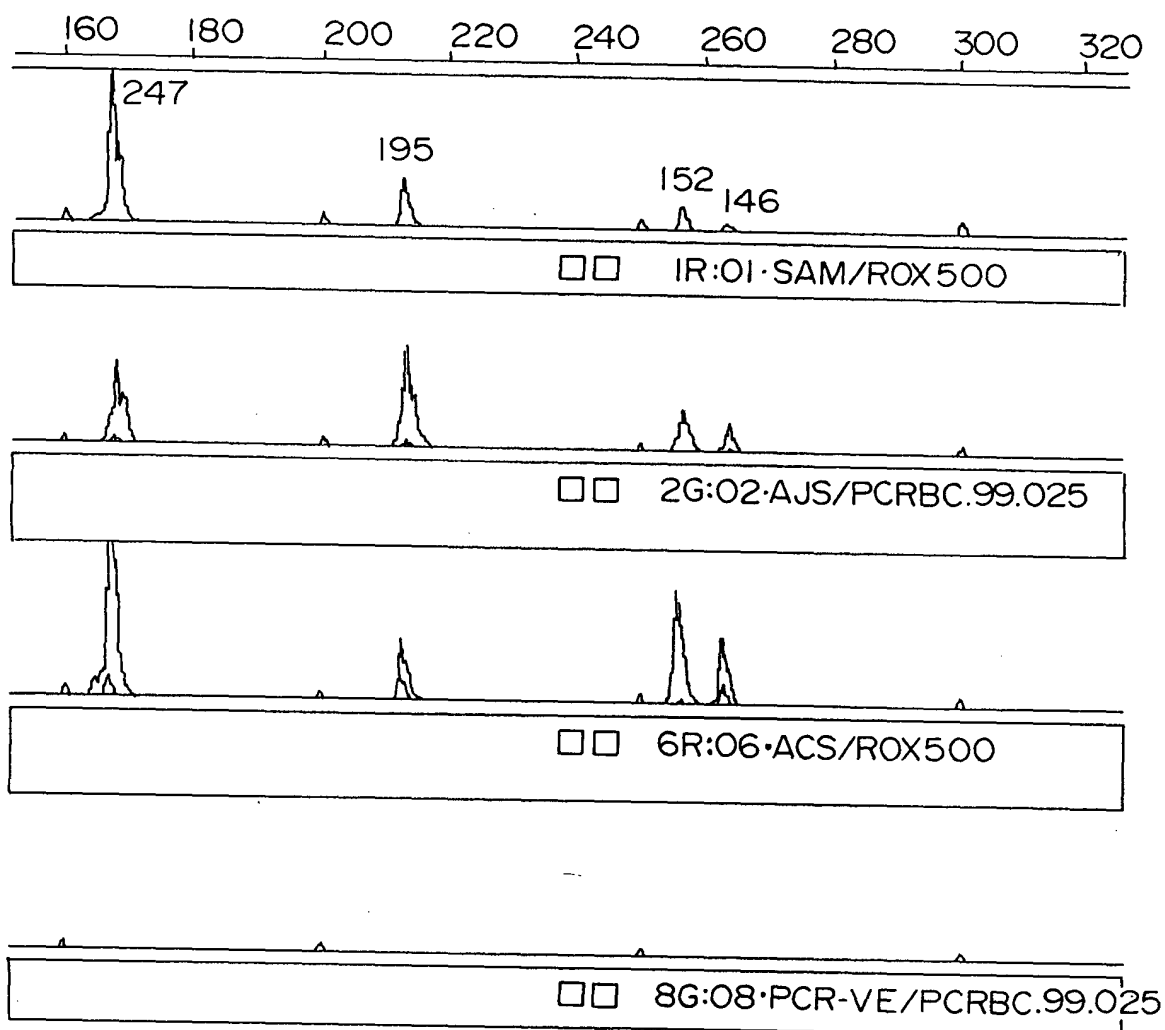
T06040" 28954260

706040" 289547260

Fig. 5

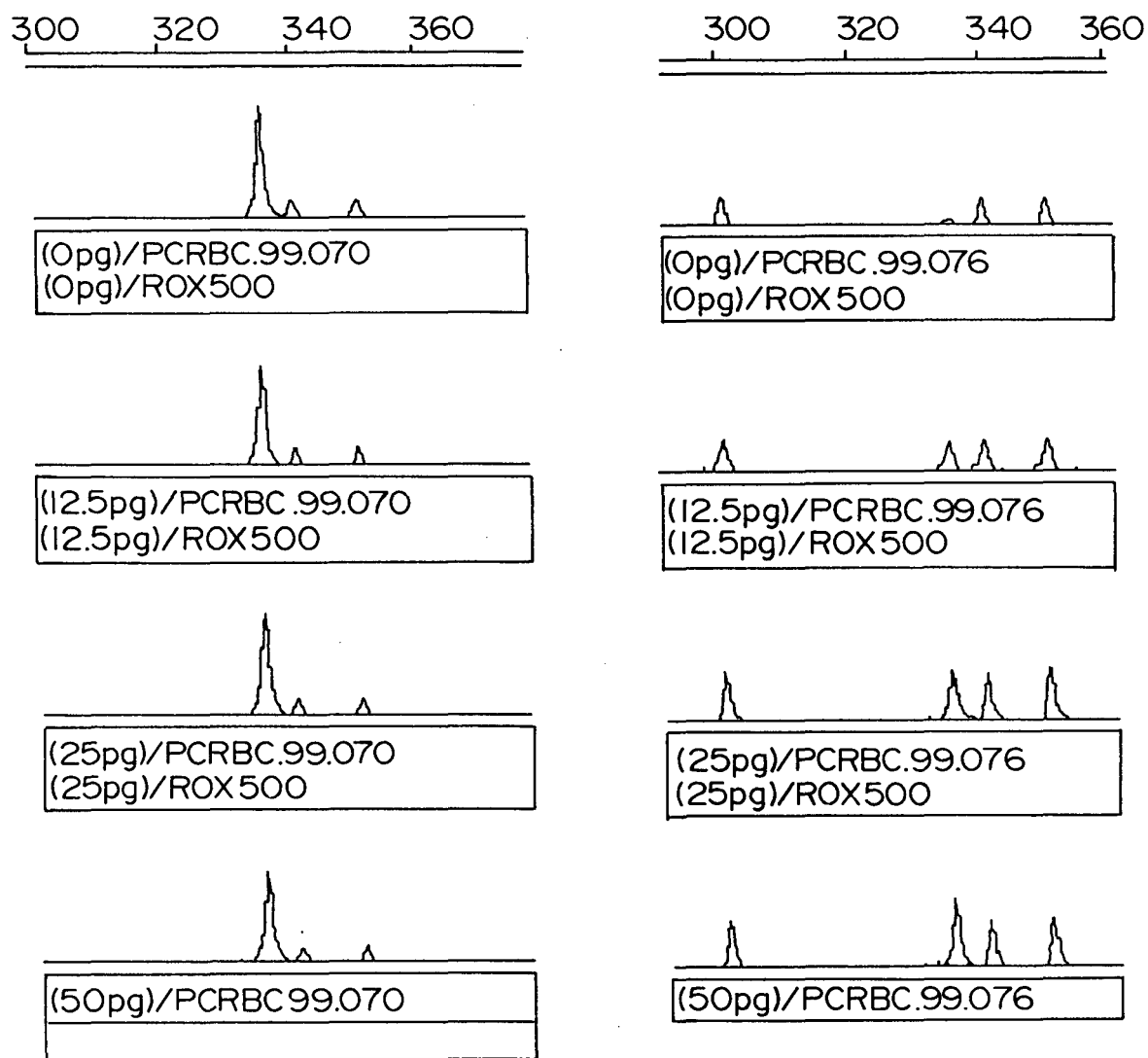
Locus	Victim	Suspect	Difference	Result	Perpetrator	Is Likelihood ratio
1	AA	AB	B	B	AB or BB	$2AB+B^2$
2	AB	AA	X	X	AA or AB or BB	1
3	BB	AB	A	A	AA or AB	$2AB+B^2$
4	AB	BB	X	X	AA or AB or BB	1
5	AA	AB	B	B	AB or BB	$2AB+B^2$
6	BB	BB	A	X	BB	$B^2$
7	AA	BB	B	B	AB or BB	$A^2+2AB$

*Fig. 6*



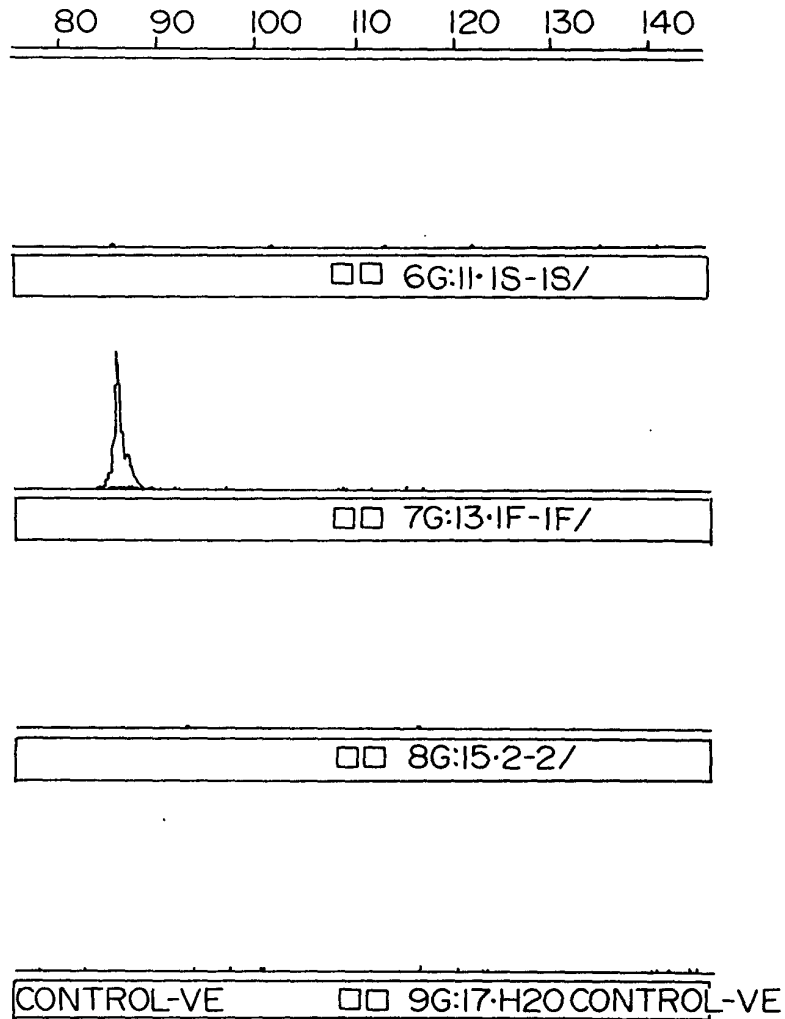
09/4554/60

**Fig. 7**



09745687-040901

*Fig. 8*

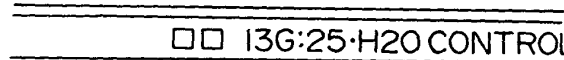
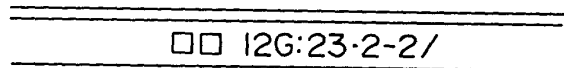
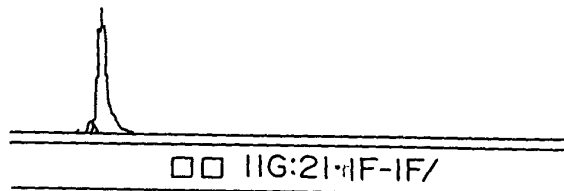
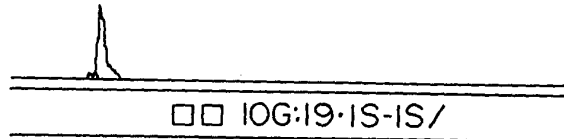


09745687 04001



*Fig. 9*

100 110 120 130 140



09745687 040901

*Fig. 10*

100 110 120 130 140

□□ 14G:27·IS-IS/

□□ 15G:29·IF-IF/

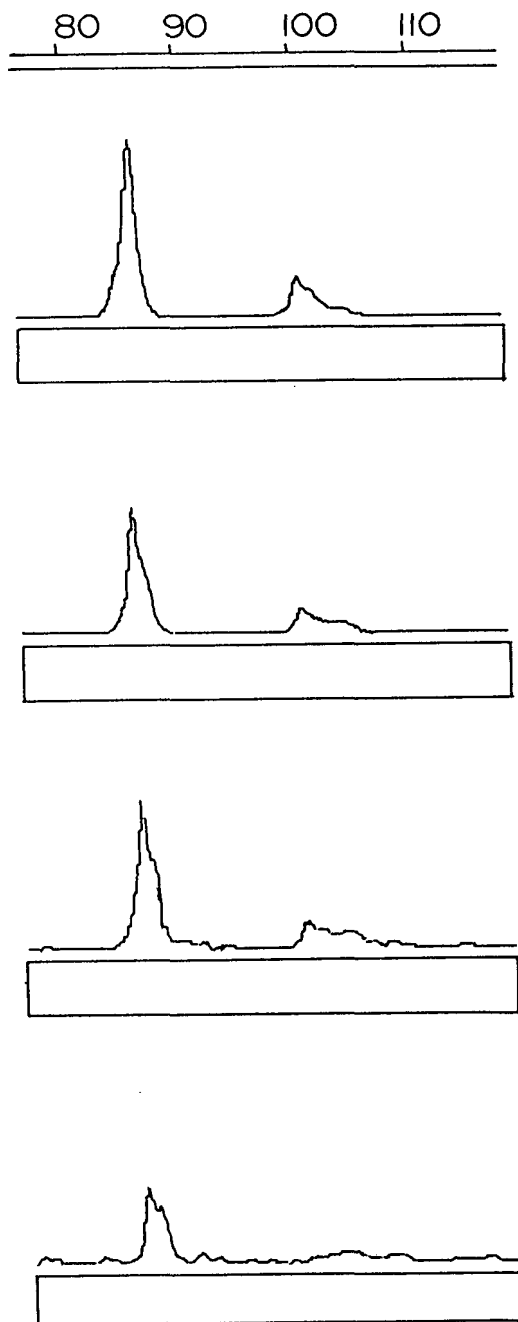


□□ 16G:31·2-2/

□□ 17G:83·H2O CONTROL-VE/

0944567 28954260

*Fig. 11*



09745687 040901